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isomer	neat	inf CDCl3	lambda	shift at π	^1H label	inf CDCl3	lambda	shift at π	assignment	ACD/I	ChemDraw
				0.30							
C6-A	135.238	135.034	0.17	135.144075	1^{-1}C	135.429	-0.028	135.35578	C_6	133.75	133.5
	130.248	129.961	0.24	130.11605	2^{-1}C	130.518	-0.015	130.420088	C_5	127.7	129
	43.626	43.178	0.233	43.3878975	3^{-1}C	43.66	0.041	43.6574975	C_4	43.62	43.3
	40.928	40.41	0.245	40.610375	4^{-1}C	41.031	0.031	41.020075	C_3 (CH)	43.08	40.6
	38.144	37.733	0.213	37.8205075	5^{-1}C	38.229	0.102	38.223455	C_2 (CH)	36.65	37.5
	36.518	36.089	0.226	36.290065	6^{-1}C	36.625	0.071	36.6037025	C_7	34.95	35.5
	32.607	32.258	0.202	32.426105	7^{-1}C	32.692	0.06	32.6759	C_8	32.75	33.7
	32.29	31.94	0.205	32.1091375	8^{-1}C	32.294	0.096	32.31444	C_9	32.17	32.1
	30.331	30.014	0.206	30.171815	9^{-1}C	30.621	0.02	30.45905	C_1 (CH)	30.67	31.1
	29.91	29.544	0.217	29.7214675	10^{-1}C	30.047	0.059	30.0124725	C_2 (CH)	29.53	29.7
	29.642	29.279	0.204	29.45246	11^{-1}C	29.929	0.079	29.7165225	C_3	29.17	29.3
	23.318	23.013	0.19	23.162975	12^{-1}C	23.451	0.092	23.42538	C_4	23.06	23.1
	23.13	22.832	0.181	22.978275	13^{-1}C	23.29	0.091	23.259125	C_5	22.93	23
	22.411	22.109	0.189	22.2578975	14^{-1}C	22.495	0.108	22.45071	C_6	22.1	22.8
	19.383	19.253	0.055	19.3110125	1^{-1}C	19.513	-0.033	19.4595925	C_2	20.44	21.4
	14.283	14.172	0.049	14.2219975	2^{-1}C	14.9905	C_3		14.4	14.1	
	14.255	14.143	0.059	14.1956225	3^{-1}C	14.9825	C_4		14	14.1	
	14.044	13.938	0.061	13.9889775	4^{-1}C	14.127	0.016	14.10159	C_5	13.8	14.2
C6-A'	135.558	135.386	0.173	135.485558	1^{-1}C	135.791	-0.03	135.702625	C_6	133.75	133.5
	130.507	129.71	0.213	129.862408	2^{-1}C	130.241	-0.037	130.159083	C_5	127.7	129
	43.965	43.487	0.227	43.7596425	3^{-1}C	43.987	0.057	43.902975	C_4	43.62	43.3
	40.781	40.257	0.241	40.4592275	4^{-1}C	40.885	0.023	40.4536325	C_3 (CH)	43.08	40.6
	36.103	35.857	0.22	35.99315	5^{-1}C	36.265	0.082	36.226955	C_2 (CH)	36.65	37.5
	35.763	35.254	0.216	35.47779	6^{-1}C	35.825	0.054	35.812085	C_7	34.95	35.5
	32.65	32.294	0.201	32.4643275	7^{-1}C	32.737	0.062	32.720555	C_8	32.75	33.7
	32.325	31.94	0.2	32.12025	8^{-1}C	32.324	0.09	32.344825	C_9	32.17	32.1
	30.267	29.927	0.201	30.0917275	9^{-1}C	30.423	0.02	30.37295	C_1 (CH)	30.67	31.1
	29.823	29.457	0.216	29.63424	10^{-1}C	29.965	0.06	29.82895	C_2	29.53	29.7
	29.436	29.056	0.202	29.23495	11^{-1}C	29.516	0.086	29.50795	C_3	29.17	29.3
	23.377	23.039	0.177	23.197975	12^{-1}C	23.482	0.09	23.46575	C_4	23.06	23.1
	23.142	22.85	0.178	22.96295	13^{-1}C	23.301	0.07	23.261275	C_5	22.93	23
	22.454	22.149	0.186	22.28085	14^{-1}C	22.536	0.107	22.531625	C_6	22.1	22.8
	20.633	20.422	0.062	20.509955	1^{-1}C	20.737	-0.01	20.698325	C_2	20.44	21.4
	14.293	14.18	0.055	14.232025	2^{-1}C	15.00255	C_3		14.4	14.2	
	14.254	14.147	0.061	14.1983275	3^{-1}C	14.9889	C_4		14	14.1	
	14.064	13.938	0.059	13.9959225	4^{-1}C	14.146	0.016	14.12094	C_5	13.8	14.1
C6-B	135.484	135.503	0.178	135.508845	1^{-1}C	135.758	-0.024	135.65964	C_6	138.4	133.5
	129.519	129.087	0.2	129.47425	2^{-1}C	129.586	-0.006	129.47425	C_5	124.6	129
	44.485	43.983	0.217	44.2380675	3^{-1}C	44.484	0.071	44.505025	C_4	43.62	43.3
	36.563	36.276	0.206	36.423315	4^{-1}C	36.689	0.085	36.6642315	C_3 (CH)	36.65	37.5
	36.062	35.586	0.219	35.8129225	5^{-1}C	36.143	0.069	36.1408475	C_2 (CH)	34.95	35.5
	35.012	34.673	0.215	34.8405625	6^{-1}C	35.177	0.027	35.1253925	C_7 (CH)	34.05	34.5
	32.561	32.19	0.207	32.3669425	7^{-1}C	32.588	0.086	32.592915	C_8 (CH)	31.95	32.1
	30.627	30.301	0.205	30.4617375	8^{-1}C	30.714	0.021	30.7273275	C_9 (CH)	30.67	31.1
	29.916	29.565	0.221	29.7381275	9^{-1}C	30.034	0.049	30.038475	C_1	29.53	29.7
	29.688	29.27	0.169	29.447475	10^{-1}C	29.827	0.091	29.792625	C_2	29.17	29.3
	27.87	27.621	0.202	27.698105	11^{-1}C	28.018	0.021	27.987105	C_3 (CH)	27.47	27.7
	23.498	23.148	0.19	23.303225	12^{-1}C	23.602	0.078	23.572845	C_4	23.06	23.1
	23.26	22.958	0.188	23.10647	13^{-1}C	23.406	0.088	23.374742	C_5	22.93	23
	22.807	22.513	0.18	22.65885	14^{-1}C	22.883	0.057	22.8693875	C_6	22.3	22.8
	20.695	20.473	0.064	20.56526	1^{-1}C	20.787	-0.009	20.7527125	C_2	20.44	21.4
	14.305	14.192	0.06	14.2452	2^{-1}C	15.00675	C_3		14.4	14.1	
	14.256	14.141	0.064	14.19581	3^{-1}C	14.9896	C_4		14	14.1	
	14.145	14.021	0.06	14.07805	4^{-1}C	14.235	0.006	14.20485	C_5	13.8	14.2
C6-B'	135.19	135.181	0.172	135.23239	1^{-1}C	135.444	-0.026	135.349185	C_6	138.4	133.5
	129.674	129.447	0.199	129.571723	2^{-1}C	129.947	-0.009	129.84603	C_5	124.6	129
	44.058	43.596	0.233	43.810775	3^{-1}C	44.068	0.058	44.077695	C_4	43.62	43.3
	38.146	37.733	0.211	37.895525	4^{-1}C	38.225	0.106	38.221465	C_3 (CH)	36.65	37.5
	36.749	36.315	0.219	36.5167225	5^{-1}C	36.836	0.092	36.82648	C_2 (CH)	34.95	35.5
	35.145	34.786	0.214	34.960335	6^{-1}C	35.296	0.035	35.2511125	C_7 (CH)	34.05	34.5
	32.599	32.236	0.21	32.410825	7^{-1}C	32.629	0.087	32.6382925	C_8 (CH)	31.95	32.1
	30.54	30.272	0.211	30.4138025	8^{-1}C	30.72	0.026	30.662915	C_9 (CH)	30.67	31.1
	29.948	29.583	0.218	29.739645	9^{-1}C	29.953	0.047	30.0209625	C_1	29.17	29.3
	29.613	29.258	0.204	29.42866	10^{-1}C	29.696	0.085	29.6895375	C_2	29.17	29.3
	27.877	27.553	0.204	27.71281	11^{-1}C	28.039	0.029	27.9888975	C_3 (CH)	27.47	27.7
	23.341	23.033	0.193	23.1847075	12^{-1}C	23.516	0.075	23.2404125	C_4	23.06	23.1
	23.25	22.941	0.186	23.091465	13^{-1}C	23.397	0.085	23.348875	C_5	22.93	23
	22.764	22.484	0.18	22.62295	14^{-1}C	22.843	0.064	22.82891	C_6	22.3	22.8
	19.763	19.601	0.067	19.6725425	1^{-1}C	19.901	-0.021	19.8479225	C_2	20.44	21.4
	14.281	14.17	0.05	14.220225	2^{-1}C	14.99335	C_3		14.4	14.2	
	14.255	14.135	0.068	14.19247	3^{-1}C	14.98925	C_4		14	14.1	
	14.16	14.036	0.058	14.092595	4^{-1}C	14.239	0.025	14.2170375	C_5	13.8	14.1
C6-C	148.142	149.162	0.336	148.88144	2^{-1}C	148.947	-0.025	148.659563	C_6	148.1	152.6
	110.681	109.981	0.034	110.23735	1^{-1}C	110.763	-0.136	110.70336	C_5	111.3	107.8
	41.585	41.311	0.199	41.4521725	3^{-1}C	41.72	0.021	41.6775275	C_4	41.83	42.8
	35.682	35.411	0.205	35.5524875	4^{-1}C	35.845	0.052	35.79978	C_3	35.25	37.3
	35.551	35.224	0.211	35.3864525	5^{-1}C	35.713	0.027	35.662423	C_2 (CH)	37.25	35.6
	33.798	33.458	0.203	33.6231825	6^{-1}C	33.939	0.038	33.898295	C_7	33.1	33.4
	30.479	30.143	0.207	30.3976925	7^{-1}C	30.639	0.039	30.5918725	C_8	30.1	30.1
	32.325	31.988	0.208	32.13975	8^{-1}C	32.5976	0.159	32.58768	C_9	32.48	32.8
	32.307	32.096	0.204	32.14476	9^{-1}C	32.572	0.178	32.539745	C_1 (CH)	32.65	32.6
	30.138	29.759	0.207	29.9387425	10^{-1}C	30.236	0.132	30.21373	C_2 (CH)	29.65	29.6
	29.14	28.811	0.21	28.873925	11^{-1}C	29.246	0.053	29.2209575	C_3	29.1	29.6
	26.855	26.522	0.195	26.6629125	12^{-1}C	27	0.047	26.6599425	C_4	27.29	27.5
	23.419	23.123	0.176	23.26564	13^{-1}C	23.661	0.076	23.52569	C_5	23.2	23
	23.043	22.708	0.174	22.864835	14^{-1}C	23.123	0.107	23.1193425	C_6	22.83	22.7

	22.788	22.526	0.181	22.6588775		22.874	0.084	22.86301	C_{γ}		22.83	23.1		13.994	13.9182	0.054	13.957015		14.06599	0.04023	14.0489458	C_{γ}		13.87	14.5		8.794	8.6078	8.80801	α		29.463	6.675	β_{γ}	
	14.274	14.171	0.062	14.221155				4.9959	C_{α}		14.3	14.1																			32.333	18.059	$\omega\beta$		
	14.239	14.12	0.056	14.17439				4.98365	C_{α}		14.05	14.1																			32.308	18.069	$\omega\beta$		
	14.14	14.02	0.072	14.07838				14.23	0.03	14.205325	C_{γ}		13.98	14.2																	32.261	18.121	$\omega\beta$		
C6-D	152.171	153.132	0.299	152.863873	$2^{-1}C_0$	152.891	-0.052	152.8271	C_{γ}		152.87	153.1		C5-D	151.9882	152.878	0.254	152.834225		152.8216	0.1604	152.436991	C_{γ}		152.87	148.8		0.1728	0.2442	0.2694	α	C6-D	152.125	-0.046	ϵ
	109.108	108.382	0.05	108.668475	$1^{-1}C_0$	109.217	-0.091	109.179148	C_{γ}		107.3	111.8			109.2521	-0.05248	109.24351	C_{γ}		109.2521	-0.05248	109.24351	C_{γ}		107.3	111.8		-0.0907	-0.0961	-0.03051	ϵ^{\dagger}		109.139	-0.029	0
	44.485	44.098	0.233	44.2864575	$2^{-1}C_0$	44.651	0.045	44.6031379	$C_{\gamma}(CH)$		46.46	42.3			44.40319	0.1029	44.4030203	$C_{\gamma}(CH)$		44.40319	0.1029	44.4030203	$C_{\gamma}(CH)$		46.46	42.3		0.14918	0.2277	0.24781	α		44.445	-0.04	ϵ
	42.633	42.253	0.218	42.435955	$1^{-1}C_0$	42.895	0.03	42.680125	C_{γ}		33.4	31.5			42.60434	0.21974	0.203	42.3860115		42.5818	0.05068	42.022652	C_{γ}		33.4	40.8		0.02866	0.0556	0.1132	ω		42.563	-0.07	0
	36.547	36.279	0.207	36.4419825		36.671	0.082	36.446525	C_{γ}		36.43	40.8			39.2865	0.12966	39.3142552	C_{γ}		39.2865	0.12966	39.3142552	C_{γ}		39.15	40.8		-2.73455	-2.6728	-2.6155	γ		36.796	0.249	α
	34.063	33.613	0.206	33.817365		34.152	0.026	34.126765	C_{γ}		33.4	33			36.68147	0.06182	36.6924951	C_{γ}		36.68147	0.06182	36.6924951	C_{γ}		31.8	35.6		-2.64893	-2.5874	-2.50947	γ		34.365	0.302	α
	32.419	32.253	0.184	32.32596		32.607	-0.016	32.537596	C_{γ}		33.64	37.5			34.99965	0.0736	34.9972663	C_{γ}		34.99965	0.0736	34.9972663	C_{γ}		35.16	37.3		-2.526	-2.4775	-2.39265	γ		32.691	0.272	α
	30.514	30.212	0.207	30.3647925	$2^{-1}C_0$	30.675	0.016	30.362229	$C_{\gamma}(CH)$		30.36	30			30.36492	0.08628	30.3594747	$C_{\gamma}(CH)$		30.36492	0.08628	30.3594747	$C_{\gamma}(CH)$		30.36	31.1		0.22072	0.2637	0.31008	α		30.426	-0.08	ϵ
	30.444	30.1	0.196	30.26499		30.504	0.051	30.4946025	C_{γ}		30.42	31.4			21.34017	0.0635	21.3387963	C_{γ}		21.34017	0.0635	21.3387963	C_{γ}		20.49	21.7		9.16783	9.1518	9.16383	β		28.91	-2.434	ω
	30.013	29.719	0.225	29.8711375		30.165	0.043	29.872399	C_{γ}		29.78	29.9			21.08992	0.0733	20.9797203	C_{γ}		21.08992	0.0733	20.9797203	C_{γ}		20.57	20.9		9.14401	9.1378	9.15083	β		27.684	-2.318	ω
	29.523	29.142	0.203	29.3215325		29.598	0.094	29.593135	C_{γ}		29.27	29.3			20.39694	0.0927	20.3881708	C_{γ}		20.39694	0.0927	20.3881708	C_{γ}		19.61	20.3		9.21137	9.1889	9.20106	β		27.176	-2.347	ω
	23.341	23.084	0.227	23.2125925		23.493	0.08	23.458	$C_{\gamma}(CH)$		23	23.1			14.68959	0.05834	14.6545939	C_{γ}		14.68959	0.05834	14.6545939	C_{γ}		14.22	14.5		8.78192	8.6242	8.80741	α		30.013	6.672	β_{γ}
	23.199	22.911	0.181	23.026975		23.346	0.078	23.312295	$C_{\gamma}(CH)$		22.97	23			14.53345	0.05557	14.5055342	C_{γ}		14.53345	0.05557	14.5055342	C_{γ}		13.38	14.5		8.78143	8.6204	8.81256	α		29.957	6.758	β_{γ}
	23.053	22.776	0.184	22.94811		23.235	0.082	23.118455	$C_{\gamma}(CH)$		22.87	22.9			14.41051	0.03621	14.3466833	C_{γ}		14.36618	0.03621	14.3466833	C_{γ}		14.19	14.4		8.74749	8.5792	8.76882	α		29.722	6.669	β_{γ}
	20.517	20.311	0.058	20.396295	$1^{-1}C_0$	20.606	-0.02	20.5703	C_{γ}		19.61	21.4			20.47239	0.01827	20.5023904	C_{γ}		20.51215	0.01827	20.5023904	C_{γ}		19.96	21.4		0.04461	0.0619	0.09385	ϵ		20.522	0.005	0
	14.287	14.175	0.057	14.2271675				5.00045	C_{γ}		14.4	14.2																			32.333	18.046	$\omega\beta$		
	14.223	14.117	0.059	14.1675225		14.371	0.005	14.3203375	C_{γ}		14.3	14.1																			32.308	18.085	$\omega\beta$		
	14.214	14.102	0.053	14.1532575		14.299	0.014	14.2724575	C_{γ}		14.17	14.1																			32.294	18.08	$\omega\beta$		
C6-D'	151.525	152.448	0.277	152.187958	$2^{-1}C_0$	152.228	-0.058	151.968795	C_{γ}		152.57	151.1		C6-D'	151.3958	152.1748	0.432	151.984505		151.591	0.1305	151.779219	C_{γ}		152.57	148.8		0.1682	0.2732	0.287	α	C6-D'	151.453	-0.072	ϵ
	109.571	108.81	0.068	109.09182	$1^{-1}C_0$	109.622	-0.066	109.589135	C_{γ}		107.3	111.8			109.6213	-0.00994	109.625794	C_{γ}		109.6213	-0.00994	109.625794	C_{γ}		107.3	111.8		-0.0696	-0.0789	0.0007	ϵ^{\dagger}		109.579	0.008	0
	44.937	44.549	0.243	44.7400825	$2^{-1}C_0$	45.078	0.058	45.041845	$C_{\gamma}(CH)$		46.46	42.3			44.762	0.1043	44.768283	$C_{\gamma}(CH)$		44.762	0.1043	44.768283	$C_{\gamma}(CH)$		46.46	42.3		0.229	0.2918	0.316	α		44.948	0.011	ϵ
	41.875	41.48	0.22	41.6683	$1^{-1}C_0$	41.91	0.003	41.8191325	C_{γ}		33.4	31.5			41.8125	0.0287	41.838993	C_{γ}		41.8125	0.0287	41.838993	C_{γ}		33.4	40.8		0.0063	0.0291	0.0875	ω		41.8	-0.075	0
	38.111	37.686	0.218	37.884345		38.179	0.106	38.179315	C_{γ}		36.43	40.8			40.8333	0.43553	0.181	40.563775		40.7791	0.0973	40.8200558	C_{γ}		39.16	40.8		-2.7223	-2.6683	-2.6001	γ		38.378	0.267	α
	34.91	34.517	0.209	34.7302975		35.018	0.051	34.9918025	C_{γ}		33.4	33			37.53994	0.097	37.5767005	C_{γ}		37.53994	0.097	37.5767005	C_{γ}		31.8	35.5		-2.67012	-2.592	-2.52194	γ		35.165	0.255	α
	31.565	31.366	0.184	31.47751		31.749	0.035	31.6928625	C_{γ}		33.64	37.5			34.2212	0.09122	34.2250476	C_{γ}		34.2212	0.09122	34.2250476	C_{γ}		35.16	37.3		-2.6079	-2.5448	-2.4722	γ				α
	30.480	30.17	0.195	30.3274125	$2^{-1}C_0$	30.515	0.149	30.5411975	$C_{\gamma}(CH)$		30.36	30			30.2774	0.05298	30.2503059	$C_{\gamma}(CH)$		30.2774	0.05298	30.2503059	$C_{\gamma}(CH)$		30.36	31.1		0.32969	0.2299	0.2376	α		30.478	-0.015	ϵ
	30.342	30.055	0.266	30.222455		30.415	-0.083	30.307955	C_{γ}		30.43	31.4			21.16875	0.03205	21.1697164	C_{γ}		21.16875	0.03205	21.1697164	C_{γ}		20.49	21.3		9.14503	9.1681	9.16027	β		27.979	-2.353	ω
	30.154	29.844	0.175	29.982125		30.282	-0.039	30.293275	C_{γ}		30	29.9			21.10232	0.06637	21.0723602	C_{γ}		21.10232	0.06637	21.0723602	C_{γ}		20.57	20.9		9.18042	9.1702	9.17968	β		27.862	-2.292	ω
	29.615	29.404	0.199	29.4167625		29.673	0.065	29.6674875	C_{γ}		29.27	29.3			20.48947	0.07629	20.477622	C_{γ}		20.48947	0.07629	20.477622	C_{γ}		19.61	20.9		9.20897	9.1687	9.18353	β		27.305	-2.31	ω
	23.377	23.089	0.239	23.2447125		23.45	0.08	23.44265	C_{γ}		23	23.1			14.60208	0.0481	14.6092343	C_{γ}		14.60208	0.0481	14.6092343	C_{γ}		14.22	14.5		8.85643	8.6547	8.80972	α				β_{γ}
	23.167	22.871	0.181	23.0157775		23.316	0.081	23.2827775	$C_{\gamma}(CH)$		22.97	23			14.50756	0.02762	14.4880846	C_{γ}		14.50756	0.02762	14.4880846	C_{γ}		13.38	14.5		8.79018	8.6261	8.80844	α				β_{γ}
	23.087	22.807	0.184	22.94686		23.159	0.073	23.1504075	$C_{\gamma}(CH)$		22.87	22.8			14.34108	0.1194	0.05	14.25683		14.39722	0.01914	14.3819254	C_{γ}		14.19	14.4		8.74592	8.613	8.76178	α				β_{γ}
	19.672	19.516	0.05	19.581975	$1^{-1}C_0$	19.802	-0.024	19.75104	C_{γ}		19.61	21.4			19.62718	0.03566	19.6932207	C_{γ}		19.7163	0.03566	19.6932207	C_{γ}		19.96	21.4		0.04482	0.0611	0.0887	ϵ		19.684	0.012	0
	14																																		

ca 23			#VALUE!			#VALUE!	C ₁₀	22.7	23		
ca 23			#VALUE!			#VALUE!	C ₉	22.87	23		
ca 23	15.869	15.648	0.043	15.735125	1- ¹³ C	15.93	-0.033	15.911425	C ₈	22.12	22.8
ca 14							#VALUE!	C ₇	19.14	18.6	
ca 14							#VALUE!	C ₆	14.2	14.1	
ca 14							#VALUE!	C ₅	13.72	14.2	
ca 14							#VALUE!	C ₄	14.1	14.1	

C6-F	130.285	130.305	0.212	130.34623	2- ¹³ C	130.681	-0.113	130.516893	C ₃	131.38	130.6
	129.416	129.505	0.184	129.51571	1- ¹³ C	129.787	0.019	129.661473	C ₂	129.31	129.6
	43.323	43.014	0.285	43.1801625	2- ¹³ C	43.5	-0.004	43.43714	C ₁ (CH)	39.57	43.6
	34.185	33.785	0.184	34.33981	2- ¹³ C	34.452	0.048	34.228115	C ₁ (CH)	36.13	35.9
	34.5	34.156	0.244	34.33191	2- ¹³ C	34.691	0.001	34.6048775	C ₁ (CH)	35.87	40.9
	32.241	31.87	0.164	32.03716				11.28435	C ₁	27.9	32.5
	32.213	31.85	0.193	32.0209575		32.24	0.1	32.2533	C ₁	31.65	32.1
	29.316	28.99	0.13	29.133675	1- ¹³ C	29.455	0.121	29.4388775	C ₁	32.27	33.5
	30.758	30.445	0.17	30.593225				10.7653	C ₁	29.24	29.6
	30.482	30.151	0.283	30.3347325				10.8722	C ₁	29.3	30
	27.379	27.096	0.154			27.567	0.0077	17.5203916	C ₁	29.43	27.4
ca 23				#VALUE!				#VALUE!	C ₁	22.7	23
ca 23				#VALUE!				#VALUE!	C ₂	22.87	23
ca 23	15.728	15.56	0.047	15.6294925	1- ¹³ C	15.809	-0.052	15.768882	C ₃	22.12	22.8
ca 14				#VALUE!				#VALUE!	C ₄	19.14	18.6
ca 14				#VALUE!				#VALUE!	C ₅	14.2	14.1
ca 14				#VALUE!				#VALUE!	C ₆	13.72	14.2
ca 14				#VALUE!				#VALUE!	C ₇	14.1	14.1

C6-G	131.239	131.19	0.174	131.246735	2- ¹³ C	131.592	-0.116	131.442205	C ₂	131.8	130.8
	130.121	130.03	0.12	130.08915	1- ¹³ C	130.402	0.014	130.306835	C ₁	128.7	128.6
	42.93	42.923	0.068	42.94092	2- ¹³ C	43.072	-0.015	43.0188875	C ₁ (CH)	39.57	43.6
	33.96	33.563	0.28	33.76965		34.074	0.043	34.0438823	C ₁	36.13	35
	34.516	34.12	0.172	34.29773		34.615	0.013	34.5633075	C ₁ (CH)	35.87	40.9
	32.565	32.2	0.16	32.3675		32.594	0.045	32.32584	C ₁	27.9	32.5
	32.247	31.878	0.178	32.047645		32.248	0.113	32.2733575	C ₁	32.26	32.1
	33.717	33.361	-0.159	33.494275	1- ¹³ C	33.849	-0.029	33.7962025	C ₁	32.27	39.5
	30.827	30.471	0.17	30.54275		30.998	0.005	30.9392875	C ₁	29.24	29.6
	30.305	29.981	0.132	30.12443		30.362	0.018	30.346145	C ₁	29.3	30
	32.723	32.363	0.124	32.51721		32.824	-0.011	32.7881475	C ₁	32.54	33.4
ca 23				#VALUE!				#VALUE!	C ₁	22.7	23
ca 23				#VALUE!				#VALUE!	C ₂	22.87	23
ca 23	15.837	15.663	-0.056	15.71116	1- ¹³ C	15.912	-0.05	15.874375	C ₃	22.87	22.8
ca 14				#VALUE!				#VALUE!	C ₄	19.14	18.6
ca 14				#VALUE!				#VALUE!	C ₅	14.2	14.1
ca 14				#VALUE!				#VALUE!	C ₆	13.72	14.2
ca 14				#VALUE!				#VALUE!	C ₇	14.1	14.1

C6-G	131.266	131.201	0.19	131.269575	2- ¹³ C	131.618	-0.108	131.471023	C ₂	131.8	130.8
	129.95	129.866	0.155	129.930663	1- ¹³ C	130.236	0.04	130.145	C ₁	128.7	128.6
	43.017	42.754	0.109	42.8708475	2- ¹³ C	43.203	-0.009	43.1358525	C ₁ (CH)	39.57	43.6
	34.112	33.741	0.171	33.9097525		34.283	0.002	34.16747575	C ₁	36.13	35.5
	34.417	34.072	0.198	34.237795	2- ¹³ C	34.583	-0.008	34.523308	C ₁ (CH)	35.87	40.9
ca 32.15				#VALUE!				#VALUE!	C ₁	27.9	32.5
ca 32.2				#VALUE!				#VALUE!	C ₁	32.26	32.1
ca 30.8	34.977	34.598	0.071	34.748825	1- ¹³ C	35.124	-0.017	35.0696425	C ₁	32.27	39.5
ca 30.3				#VALUE!				#VALUE!	C ₁	29.24	29.6
ca 32.6				#VALUE!				#VALUE!	C ₁	29.3	30
ca 23				#VALUE!				#VALUE!	C ₁	32.54	33.4
ca 23				#VALUE!				#VALUE!	C ₂	22.7	23
ca 23				#VALUE!				#VALUE!	C ₃	22.87	23
ca 23				#VALUE!				#VALUE!	C ₄	22.82	22.8
ca 14	15.726	15.415	0.25	15.590725	1- ¹³ C	15.724	-0.04	15.71156	C ₅	19.14	18.9
ca 14				#VALUE!				#VALUE!	C ₆	14.2	14.1
ca 14				#VALUE!				#VALUE!	C ₇	13.9	14.2
ca 14				#VALUE!				#VALUE!	C ₈	14.1	14.1

C6-H	151.77	152.772	0.389	152.509798	2- ¹³ C	152.538	-0.045	152.258963	C ₁	152.97	151.2
	109.217	108.464	-0.039	108.718757	1- ¹³ C	109.262	-0.114	109.220315	C ₂	107.3	111.8
	47.127	46.755	0.285	46.9503075	2- ¹³ C	47.287	0.047	47.2416925	C ₃ (CH)	47.13	44.8
ca 31.7				#VALUE!				#VALUE!	C ₄	33.64	31.5
ca 33.0				#VALUE!				#VALUE!	C ₅	33.4	32.7
	34.567	34.162	0.043	34.3135325	1- ¹³ C	34.637	0.027	34.6186425	C ₆	33.4	33
	32			11.2				C ₇	31.83	31.8	
	30			10.5				C ₈	30.43	29.9	
	30			10.5				C ₉	30	30	
ca 30.5	30.25			#VALUE!	2- ¹³ C			#VALUE!	C ₁₀	29.38	30
	29.354	29.016	0.076	29.15159		29.524		10.739	C ₁₁	29.16	29.3
	27.851	27.533	0.045	27.6545375	1- ¹³ C	28.028	0.01	27.968325	C ₁₂	26.77	27.8
ca 23				#VALUE!				#VALUE!	C ₁₃	23	23.1
ca 23				#VALUE!				#VALUE!	C ₁₄	22.97	23.1
ca 23				#VALUE!				#VALUE!	C ₁₅	22.94	22.7
ca 14				#VALUE!				#VALUE!	C ₁₆	14.3	14.1
ca 14				#VALUE!				#VALUE!	C ₁₇	14.29	14.1
ca 14				#VALUE!				#VALUE!	C ₁₈	14.17	14.2

C6-I	131.686	131.623	0.209	131.692598	2- ¹³ C	132.041	-0.063	131.802418	C ₂	131.8	130.6
	128.75	128.661	0.202	128.738105	1- ¹³ C	129.043	-0.001	128.94023	C ₁	130.51	128.6
	38.1	37.78		38.08692	2- ¹³ C	38.094	0.01	38.08692	C ₁ (CH)	36.67	38.1
	37.986	36.548	0.251	36.851425	1- ¹³ C	37.24	-0.007	37.1779075	C ₁	35.59	38.2
ca 32.6				#REF!				#VALUE!	C ₁	32.54	33.4
ca 32				#REF!	1- ¹³ C			#VALUE!	C ₁	32.51	33.1
ca 34.4				#REF!				#VALUE!	C ₁	32.51	32.8
ca 32				#VALUE!				#VALUE!	C ₁	32.48	31.8
ca 32				#VALUE!				#VALUE!	C ₁	32.29	32.1
ca 29.8				#VALUE!				#VALUE!	C ₁	29.65	29.6
ca 29				#VALUE!				#VALUE!	C ₁	36.67	23.3

ca 14			#VALUE!			#VALUE!	C ₁₀	14.16	14.4	
ca 14			#VALUE!			#VALUE!	C ₉	14.3	14.4	
ca 14			#VALUE!			#VALUE!	C ₈	13.8	14.4	
15.848	15.629	0.031	15.7127025		15.86405	0.00139	15.8987487	C ₇	19.14	18.9

C5-F	130.14	130.115	0.191	130.165903		130.41	0.08	130.3337	C ₃	132	128
	129.607	129.699	0.219	129.737023		129.8005	0.14	129.785625	C ₂	129.31	128
	43.134	42.787	0.186	42.950765		43.2042	0.07036	43.1945448	C ₁ (CH)	39.57	43.3
	36.404	36.218	0.158	36.389045		36.66	0.1	36.66315	C ₁	36.63	37
	34.257	33.904	0.181	34.068775		34.33791	0.10099	34.3324985	C ₁ (CH)	35.87	40.9
	34.563	34.129	0.148	34.2377975		34.462	0.066	34.513595	C ₁	27.9	29
	23.295	23.02	0.127	23.149145		23.295	0.1	23.29675	C ₁	22.7	23.3
	29.369	29.015	0.124	29.16711		29.48082	0.07929	29.4597215	C ₁	32.27	33
	29.461	29.126	0.132	29.27328		7.51135		7.4151	C ₁	21.6	20.9
	21.186	20.838	0.163	20.9968825		7.4151		7.4151	C ₁	20.42	20.9
	29.958	29.606	0.148	29.76287		29.874	0.1	29.861515	C ₁	29.2	29
	ca 14			#VALUE!				#VALUE!	C ₁	14.16	14
	ca 14			#VALUE!				#VALUE!	C ₂	14.3	14
	ca 14			#VALUE!				#VALUE!	C ₃	13.8	14
	ca 14	15.65	15.48	0.049	15.5506475		15.68366	-0.03048	15.6549448	C ₄	19.14

C5-G	131.101	130.991	0.197	131.074318		131.306	0.14496	131.267228	C ₂	131.8	128
	130.341	130.205	0.182	130.294005		130.7523	-0.28975	130.542427	C ₁	128.7	128
	42.738	42.373	0.18	42.5417		42.755	0.49132	42.860253	C ₁ (CH)	39.57	43.3
	36.524	36.019	0.146	36.228965		36.573	0.244	36.61135	C ₁	36.63	37
	34.258	33.822	0.151	34.089525		34.251	0.10796	34.2789109	C ₁ (CH)	35.87	40.9
	35.209	34.918	0.119	34.9810225		35.105	0.05	35.107325	C ₁	27.9	35
	23.197	22.797	0.191	23.0466505		23.205	-0.025	23.1702125	C ₁	22.93	23
	33.554	33.151	0.148	33.32572		33.859	0.31686	33.8243357	C ₂	32.27	39
	21.481	21.069	0.128	21.21887		21.174	0.1	21.28075	C ₁	21.65	20
	ca 21.1			#VALUE!				#VALUE!	C ₂	20.42	20
ca 14	35.344	34.843	0.382	35.105295		35.383	0.1	35.3921	C ₁	34.43	35
				#VALUE!				#VALUE!	C ₁₅	14.16	14
				#VALUE!				#VALUE!	C ₁	14.3	14
ca 18.25				#VALUE!				#VALUE!	C ₁	13.89	14
	15.625	15.64	0.041	15.7140779		15.854	0.0147	15.8471945	C ₁₀	19.14	18

32.350	31.910	0.250	32.15098
32.375	31.963	0.250	32.1673575
29.969	29.534	0.259	29.75219
29.847	29.362	0.291	29.5979525
27.724	27.271	0.298	27.497345
23.192	22.839	0.245	23.0156875
23.09	22.894	0.245	22.8883375
22.581	22.138	0.235	22.3230625
14.271	14.143	0.07	14.203725
14.284	14.121	0.074	14.187885
14.081	13.982	0.071	14.0133025

C ₁	32.17	32.1
C ₁₀	31.88	31.9
C ₁₆	29.53	29.7
C ₁₇	29.16	29.3
C ₁₈	28.32	27.5
C ₁₉	23.08	23.1
C ₂₀	22.84	22.7
C ₂₁	22.1	22.8
C ₂₂	14.25	14.1
C ₂₃	14	14.1
C ₂₄	13.8	14.2

0.025

0

-0.019

0.071

0.068

0

0

0

0

0